

Title (en)

Universal, standard semi-condensing or condensing wall boiler

Title (de)

Universaler, standarisierter Teil-Brennwert- oder Brennwert - Wandheizkessel

Title (fr)

Chaudière murale universelle, standard à condensation partielle ou totale

Publication

**EP 1434015 A2 20040630 (EN)**

Application

**EP 03029574 A 20031222**

Priority

IT AN20020061 A 20021223

Abstract (en)

It is described a condensing (CMC) wall boiler, equipped with one or more by-passes (bPS; bCS; bCR; bIS) adapted to mix comburent air or flue gas taken from the combustion room (4) with flue gas in exit from the heat exchanger (8). <??>According to this invention, the physical state of the flue gas mixed in this manner is able to prevent the flue gas from releasing condensate in the flue (C) thus making it possible to connect said boiler (CMC) even to flues that are not resistant to acid condensate. <??>According to a variant of the invention, it is also possible to cause the complete re-evaporation of the condensate produced downstream of the heat exchanger (8) so that it is not necessary to provide a condensate evacuation duct (10.3). <??>According to the operating methods possible without condensate release in the flue (C), said condensing boiler (CMC) produces an identical yield typical of condensing boilers, or reduced yield equivalent to that typical of high yield boilers. <IMAGE>

IPC 1-7

**F24H 9/00**; **F24H 8/00**

IPC 8 full level

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CPC (source: EP)

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